

**NATURAL RESOURCES CONSERVATION SERVICE
DOCUMENTATION AND CERTIFICATION**

**SEDIMENT BASIN
Code 350**

The items below shall be recorded in the conservation plan, conservation notes or an approved form as minimum documentation requirements for a practice.

1. Location and Site Investigation

Environmental Checklist Form (CB-EVC-2)
Form CB-ENG-PLNG-1, Engineering Planning Consideration Checklist and Guide
Location Map (Topographic Quadrangles)
Aerial Photos
Surveying Plat (Property Limits)
Flooding Maps (FEMA)
SHPO - Cultural Resources Inventory
Maps from Utilities Co. Providers

References:

- TR-1, Form CB-ENG-PLNG-1, Engineering Planning Consideration Checklist and Guide
- Conservation Map
- NRCS, GM 420, Part 401, Cultural Resources
- USGS Topographic Quadrangles

2. Soils/Geology Investigation

Geologic Maps
Soil Boring - Form CB-ENG-016, Site Investigation Log Sheet
Conservation Plan Soil Map
Soil Testing Lab (Optional)
Log Test Pit

References:

- NRCS Area Soil Survey
- TR-1, Form CB-ENG-016, Site Investigation Log Sheet
- Unified Soil Classification Chart
- 210-VI-NEH-650, Chapter 4, Elementary Soil Engineering
- 210-VI-NEH-650, Section 8, Engineering Geology
- 210-VI-GN-03, Geologic Investigation

3. Engineering Survey

Form SCS-ENG-28
Form SCS-ENG-29
Surveying Computer Programs

References:

- 210-VI-TR-62, Engineering Layout, Notes, Staking and Calculations
- 210-VI-NEH-650.01, EFH Chapter 1, Engineering Survey

4. Engineering Criteria

References:

- CB FOTG Sec. IV, Code 350, Sediment Basin
- CB FOTG Sec. IV, Code 554, Drainage Water Management
- CB FOTG Sec. IV, Code 533, Pumping Plant for Water Control
- CB FOTG Sec. IV, Code 342, Critical Area Planting
- CB FOTG Sec. IV, Code 516, Pipeline
- 210-VI-NEH, Section 19, Construction Inspection
- 210-VI-NEH, EFH Chapter 11, Ponds and Reservoirs
- 210-VI-NEH, Section 5, Hydraulics
- 210-VI-NEH, Section 11, Drop Spillways
- 210-VI-NEH, Section 14, Chute Spillways
- 210-VI-NEH-650.02, EFH Chapter 2, Estimating Runoff and Peak Discharges
- 210-VI-NEH-650.03, EFH Chapter 3, Hydraulics
- 210-VI-NEH-650.06, EFH Chapter 6, Structures
- 210-VI-TR-60, Earth Dams
- 210-VI-NEH-628.50, Chapter 50, Earth Spillway Design

5. Drafting and Drawings

Drafting Computer Programs Output
Sketches and Drawings

References:

- 210-VI-NEH-650.05, EFH Chapter 5, Preparation of Engineering Plans
- 210-VI-TR-73, Computer Aided Design and Drafting (CADD) Standards

6. Engineering Cost Estimates

Local Suppliers Material Cost Lists

References:

- CB FOTG Section I, Cost Data
- Blue Book

7. Construction Materials and Specifications

Local Suppliers

References:

- 210-VI-NEH-650.17, EFH Chapter 17, Construction and Construction Materials
- 210-VI-NEH - Part 642, Specifications for Construction Contracts

8. Installation and Certification

Certification that application meets NRCS standards and specifications

Reference:

- 210-VI-NEH, Section 19, Construction Inspection